

ATTACHMENT B

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-31. (Canceled)

32. (Previously Presented) A demountable drive mechanism for coupling to a drive shaft of an operating device, the drive mechanism being directly securable to the drive shaft to cause the drive shaft to rotate, the drive mechanism comprising a geared electric motor having an output for coupling to the drive shaft, the drive mechanism having a torque arm adapted to engage a reaction surface so that the electric motor can impart torque to the drive shaft, and control means to control operation of the electric motor, the electric motor having an operating current that is monitored in small time increments wherein a maximum allowable current is set as a percentage above the operating current being monitored so that should there be a significant and rapid increase in operating current the motor shuts down.

33. (Previously Presented) The demountable drive mechanism according to claim 32 wherein the torque arm is mounted on the drive mechanism parallel to the drive shaft.

34. (Previously Presented) The demountable drive mechanism according to claim 32 wherein the electric motor is powered by at least one battery.

35. (Previously Presented) The demountable drive mechanism according to claim 32 wherein solid state relays are interposed between an electric input of the electric motor and the electric motor, the solid state relays causing voltage of the electric motor to pulse and cap an operating current peak when the motor is first switched on.

36. (Previously Presented) The demountable drive mechanism according to claim 35 wherein the solid state relays comprise field effect transistors.

37. (Previously Presented) The demountable drive mechanism for coupling to a drive shaft of an operating device, the drive mechanism being directly secured to the drive shaft to cause the drive shaft to rotate, the drive mechanism comprising a geared electric motor having an output for coupling to the drive shaft, the drive mechanism having a torque arm adapted to engage a reaction surface so that the electric motor can impart torque to the drive shaft, and control means to control operation of the electric motor, wherein solid state relays are interposed between an electric input of the electric motor and the electric motor, the solid state relays causing voltage of the electric motor to pulse and cap an operating current peak when the motor is first switched on.

38. (Previously Presented) The demountable drive mechanism according to claim 37 wherein the torque arm is mounted on the drive mechanism parallel to the drive shaft.

39. (Previously Presented) The demountable drive mechanism according to claim 37 wherein the electric motor is powered by at least one battery.

40. (Previously Presented) The demountable drive mechanism according to claim 37 wherein the electric motor has an operating current that is monitored in small time increments wherein a maximum allowable current is set as a percentage above the operating current being monitored so that should there be a significant rapid increase in operating current the motor shuts down.

41. (Previously Presented) The demountable drive mechanism according to claim 37 wherein the solid state relays comprise field effect transistors.

42. (New) The demountable drive mechanism according to claim 32 wherein the electric motor includes an armature that is fed by direct current through a plurality of brushes, monitoring means to monitor the current passing through the brushes over a period of time, storing means to store the measured information, comparative means to

compare this information with the known wear rate of electric motor brushes, and signaling means to provide a signal that indicates that the brushes have been subjected to a particular current for a particular period of time that equates to an indication of a worn brush.

43. (New) The demountable drive mechanism according to claim 42 wherein the indication of a worn brush is through a light emitting diode that is illuminated when the brush is in its last 10% or preset portion of usable life.

44. (New) The demountable drive mechanism of claim 43 wherein the light emitting diode flashes and the flash sequence is related to the usable life still available.

45. (New) The demountable drive mechanism of claim 42 wherein the storing means is a microprocessor coupled to the motor to store data and to provide a visual indication of the stored data.

46. (New) The demountable drive mechanism of claim 43 wherein a flashing mounted light emitting diode provides a visual indication of brush failure.

47. (New) The demountable drive mechanism of claim 42 wherein the electric motor has at least two alternative operational brushes, the motor including switching means to switch from one brush assembly to another should a brush become open circuit and fail.

48. (New) The demountable drive of claim 45 wherein the stored data of the microprocessor may be interrogated by linking a computer to the microprocessor.

49. (New) The demountable drive mechanism according to claim 37 wherein the electric motor includes an armature that is fed by direct current through a plurality of brushes, monitoring means to monitor the current passing through the brushes over a period of time, storing means to store the measured information, comparative means to compare this information with the known wear rate of electric motor brushes, and

signaling means to provide a signal that indicates that the brushes have been subjected to a particular current for a particular period of time that equates to an indication of a worn brush.

50. (New) The demountable drive mechanism according to claim 49 wherein the indication of a worn brush is through a light emitting diode that is illuminated when the brush is in its last 10% or preset portion of usable life.

51. (New) The demountable drive mechanism of claim 50 wherein the light emitting diode flashes and the flash sequence is related to the usable life still available.

52. (New) The demountable drive mechanism of claim 49 wherein the storing means is a microprocessor coupled to the motor to store data and to provide a visual indication of the stored data.

53. (New) The demountable drive mechanism of claim 50 wherein a flashing mounted light emitting diode provides a visual indication of brush failure.

54. (New) The demountable drive mechanism of claim 49 wherein the electric motor has at least two alternative operational brushes, the motor including switching means to switch from one brush assembly to another should a brush become open circuit and fail.

55. (New) The demountable drive of claim 52 wherein the stored data of the microprocessor may be interrogated by linking a computer to the microprocessor.